JUNI 88

NORTHERN SAN DIEGO COUNTY

W6NWG

Scope

1936 - 1988

THE PALOMAR AMATEUR RADIO CLUB, INC
POST OFFICE BOX 1603
VISTA, CALIFORNIA 92083-0530

W6NWG/R 146.730 (-)
449.425 (-)
145.050 (Pkt)

VOL. XXIII, NO., 6 June, 1988

PRESIDENT:	STAN ROHRER,	W9FQN,	VALLEY CENTER,	749-0276
VICE PRES:	TED DEMOS,	N6CKH,	SAN DIEGO,	296-5103
SECRETARY:	JO ASHLEY,	KB6NMK,	ESCONDIDO,	741-2560
TREA$URER:	RON WILHELMY,	WI6B,	RANCHO $ANTA FE,	756-3133

CONTROL OPS: WB6IQS
W9FQN, WI6B, K6HAV
KB5MU, N6IZW, WA6KZN
KA6UAI, WQ6V, KB6AI

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These officers are your 1988 representatives. Call them if you have questions, comments, or suggestions about our club. They need your input and support to be effective. The next Executive Committee meeting is at 7:30 PM: Stan-W9FQN, Valley Center, 92082.

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>>>>>>>—— President's Message ——<<<<<<<

###——FIELD DAY 1988——###

Sign up for Field Day positions at the May club meeting were somewhat disappointing (as usual) and we hope that more of you will see fit to let us know that you will participate as June 25-26 draws nearer. We know that many of you seem to come out of the "woodwork" as FD draws near but it sure makes it tough on planning if you don't let us know enough ahead of time about your participation. We also have need of "loggers" to record the contacts as they are made and to check for duplicates. In the past 20M has been making most of our contacts for us and our experienced 20M operators will not be with us this year. Bud-KG6VX is our FD chairman.

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    CHIEF Op—STATION——ANTENNAS
80M K6HAV.....          ..Dipole.......
    Ops: ______ _______ _______ _______
40M WF6L......FT-757GX..Loop.........
    Ops: KI6JM WB6IQS  _______ _______
20M _______..________...________.....
    Ops: N6KI KF6C NW6W _____ _______
15M W9FQN.....FT-757GX..Beam.........
    Ops: KA6FPS _____ _____ _____
10M WF6L......_______..Beam.........
    Ops(Novice/Tech):  Fallbrook JrHS
2M  _______..________...________.....
    Ops: K6HLY  _____  _____ _____
CW  KB5MU.....________...Tri-Beam/Dipoles
    Ops: _____ _____ _____ _____
    (Sign-up at June club meeting)
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We have the following generators and could use several more: W6NWG(3.5KW), WB6IQS(1.6KW), WF6L(2KW), and W9FQN(.3KW). We need backup generators.

###——INTERFERENCE——###

From time to time most of us experience some interference on the repeater due to malicious actions of someone. Most of our repeater users treat the interference in the way it should be treated: 1)ignore it completely, 2)talk through or over it, 3)do not listen to it and then transmit when the interference quits, 4)quick key (the only time it is permissible) so that the interference is not heard but covered up, and/or 5)make some comment about talking to your contact later or changing frequency (up one).

Remember, you can have a secret code word for going "up one" for your friends to 147.735 but don't take the interference with you! Some people tell the kook when to jam them. For example, you are trying to give your telephone number and you say "my telephone number is 777-7777". The kook knows to key up when you say "is" for maximum effect. Give the information in bursts if it is really important.

JUN 88

There is a low level jammer on 146.730 (.130) near I-5 and Mission in Oceanside near (in?) the Radio Shack store so check the input when you are in that area and there is a jammer.

DON'T answer interjecting stations on the repeater that don't give a call sign unless there is a good reason to do so.

###---DEL MAR FAIR---###

The Del Mar Fair is from June 16th to July 4th this year and the Palomar ARC will have the SANDARC booth again at the Fair June 16-17-18 (Thursday, Friday, and Saturday). We will be needing TWO operators per shift and three shifts per day (18 operators total): 10-2, 2-6, and 6-10 p.m. The SANDARC booth will have on display and in operation "state of the art" equipment on almost all amateur bands and will provide you with a free ticket to the Fair. This would be a good chance for you to get your hands on some of the best amateur radio gear around and help explain amateur radio to those who stop by the booth. Our main purpose is to answer questions about amateur radio to the general public and to originate "free" messages which are passed on the NTS net each evening. Please check with Barbara-KA6FPS to get scheduled for one of the vacant spots:

June	10-2 a.m.	2-6 p.m.	6-10 p.m.
Thu 16	KB6NMK	_____	KB5MU
	+_____	+_____	+N9AKB
Fri 17	N6NNI	WF6L	_____
	+_____	+N6KI	+_____
Sat 18	N6DVJ	N6QVA	_____
	+_____	+WB6IQS	+_____

Pick a spot and let us know when you can help.

###---MEMBERSHIP RENEWAL---###

Little did I know that the Giant Computer (alias Skip-K6RTD) had been programed three months early to print "PLEASE RENEW" for all of our members who should have had printed PRC8807 on their address label and to strip off all membership and license renewal codes. If you had the PLEASE RENEW on your SCOPE label, check one of your past SCOPEs for the proper renewal codes. Sorry about that! The codes might not appear again until the August issue of the SCOPE. It also appears that the PLEASE RENEW computer code mistakenly picked up a bunch of members that were to renew in future years (ie, 8907, 9007,9107, etc.). Skip says that error has now been corrected in the Giant Computer. Yes, Felix-N6IE, you are a member up into the 90's!

Remember to help us out by renewing early so that we don't have so much chaos at the end of July trying to get the August SCOPE ready for the new membership year. Also remember that "late" renewals will miss their August SCOPE if we don't get the renewal by July 15th.

Your $12 renewal bring$ you all the advantage$ of a good club program and the u$e of repeater$ that could ea$ily be well worth the due$ with ju$t one u$age.

###---PICNIC---###

We hope to have the picnic at Dixon Lake in Escondido in August. We voted at the May meeting to make this change and it is probably good for us to look at new parks from time to time. We will have good food, fellowship, hidden transmitter hunts, a prize drawing, etc.

###---NORTH COUNTY TRAFFIC NET---###

Tom-N4KRA, our past traffic net manager, is leaving for Pittsburgh sometime soon because of a job transfer. Tom has done an excellent job of taking over from the master traffic manager, Joe-WB6HMY (Little Joe), and he will be greatly missed. Tom has also led the club in the pledge of allegiance on meeting nights for the past several years. Tom, we hope that your move will be successful and that you will find your new QTH a happy place to "Ham it up". Please keep in contact with us via Packet and let us know how everything is going for you.

Marni-KB6PCF and Tod-KI6ZM have consented to be co-chairmen of the the 8:00 p.m. National Traffic System (NTS) net each evening for PARC. Both Marni-KB6PCF and Tod-KI6ZM are new hams and have done an excellent job of passing traffic on the NTS

with Tod-KI6ZM taking many messages up to the LA regional net (SCNV = Southern California Voice Net) and Marni-KB6PCF running the Monday evening NTS net. They really sound very professional and deserve your help.

Our present net controls for NTS are:

	Net Control	Alternate
Mon =	Marni-KB6PCF	Dave-WA6HQM
Tue =	Paul-KB5MU	Joe-N6RVO
Wed =	Mary-N6NOG	Jo-KB6NMK
Thu =	Warren-W6EYP	?
Fri =	Christy-KB6DGN	?
Sat =	Carl-N6NZX	?
Sun =	Ralph-K6HAV	?

SCNV LIAISONS are Tod-KI6ZM, Micky-N6GWJ, Paul-KB5MU, Marni-KB6PCF & Joe-N6RVO. We need more SCNV liaison stations on 147.645 and alternate NTS net controls for the PARC daily nets. Please contact a regular net control or Marni-KB6PCF and Tod-KI6ZM if you would like to try being a SCNV liaison, a net control or an alternate.

Our NTS nets are considered as being TRAINING NETS for the big EARTHQUAKE or any other emergency that might be thrust upon us so don't be afraid to get your feet wet and help with the traffic. The net controls are looking for more stations to check in each evening to help with area we are trying to cover. We are also looking for stations that can go up to the LA area to take traffic in and out of San Diego County at least once each week. Be sure to let our net managers know if you can help them out in any way. We also hope to pass the traffic around more among checking in stations so that you can get the "thrill" of passing traffic too.

If you don't receive any traffic for your area, see if you can generate some traffic from your QTH or from friends. Be sure to include a telephone number. Each club member should really try to originate several messages to friends outside of San Diego County several times a year just to keep current in using the proper message format. We all need the practice for when the big "shaker" hits us. Contact our net managers for forms and information.

If any of you would like to serve as a SOURCE OF INFORMATION on any part of the world, please send us your name, call, and area of expertise. We will publish a listing sometime in the future. If any of you can SPEAK A NON-ENGLISH LANGUAGE to any degree, please send in your name and we will publish a list of possible communicators or translators which might come in handy sometime in the future to someone.

If you are planning on GOING TO HAWAII, you really should contact our resident experts for information on the islands and amateur radio operation: Ron-WI6B, Mac-NH6EW , Jim-KH6CN, and Allen-N7AMR (Maui). Ron-WI6B has a condo for rent with some amateur radio gear and a hidden antenna (he is our club secretary). Mac-NH6EW has lived in Hawaii (Maui) for quite some time and was the president of the Maui ARC. He is taking care of our coffee so he can get acquainted with our club members), and Allen-N7AMR spends a lot of time in Hawaii. They all would be happy to tell you "where to go" and what to see in the Islands. Talk to them at any meeting about the Islands and the Hawaii amateur radio repeaters.

###---ADVERTISERS---###

Loreen-N6RAO, wife of Ron-WI6B, is one of our advertisers and she works for Travel Visions in Encinitas as a travel consultant. She would be happy to take care of your travel needs throughout the USA, the world, and especially Hawaii. Be sure to give her a call for your next business trip or family vacation. She would probably be happy to rent you their condo in Hawaii (?????) for your next Hawaii vacation.

###---ARES---###

THANKS to Carl-N6NZX and Mary-KB6NZA, for taking the Amateur Radio Emergency Service (ARES) 8:30 a.m. net the past two months with an average check-in of 35.5. THANKS to all of the net members who check in an get the latest ARES/RACES information. We hope to have sufficient net controls for this net so that you don't have to do it more than once a year. Other

JUN 88

net controls are: Floyd-W6JSP, Nash-W6HCD, Mike-N6MMP, Jo-KB6NMK, and Stan-W9FQN. If anyone is interested in helping out with these ARES nets, please contact Stan-W9FQN. We could use at least two more ARES net control stations.

PARC is still looking for someone or several co-chairmen to head up the ARES effort in North Central/West County. Your job would be to maintain a list of available amateurs to 1)send messages out of S.D. Co., 2)work with Red Cross, hospitals, and governmental agencies requesting help, and 3)point to point 2m communications from accident sites. We have most of the operators, antennas, repeaters, 110vac power supplies, etc. We just need someone to head up the effort and assign the resources. If you can help us with any of these communications needs, contact me, W9FQN.

Please note that at present the Animal Rescue group is to use the 147.735 repeater in emergencies and ARES uses the 146.730 repeater. If any problems develop on 146.730, change immediately to 147.735 without being told to do so.

###---THANKS---###

THANKS to Ken-N9AKB for the donation of a 49 MHz FM wireless microphone system which we hope we will be able to use at club meetings and the club picnic. It has a range of about 100 feet. We used it for part of the May meeting and comments about its quality are solicited.

THANKS to Dennis-N6KI for the donation of a spare set of finals for the club's Drake TR-3 which is for sale. We have many items donated that are for sale so please give me a call if you are looking for something special.

THANKS to all of you who bring in SHOW AND TELL items for our meetings. Your efforts are greatly appreciated and they help make our meetings appeal to a greater number of amateurs. Remember, if you have something new or interesting to share at our meetings, please contact me before the meeting so that I can add you to the agenda. Because of the length of some meetings, we sometimes do not go through all of the SHOW and TELL agenda that we have scheduled. We like to finish our meetings before 9:00 p.m.

We especially like to see items constructed, Hints and Kinks, new equipment, modifications to equipment, comments on DX, etc. but keep your remarks short. You ARE NOT the main program. You are only a "come on" and people who are interested will seek you out during the break or after the meeting to ask additional questions. We would also like to have some demonstrations for after the meeting on soldering a coax connector, running a SWR graph on a 2m antenna, hints and kinks on sending CW with various telegraph keys, etc. We have many new hams in our ranks who really need to be exposed to some of the things which us "old timers" take for granted. If you have a request for a specific SHOW AND TELL item, please contact a club officer and we will see if we can cover your area of interest sometime in the future.

THANKS to all of you on 146.730 FM who "advertise" our meetings over the repeater. Our attendance this year is averaging over 90 per meeting with 105 attending our April meeting on Microwave which is really fantastic for a club like ours. Meetings are a great time to meet other local hams, to meet that neat voice you talk to on the repeater, to discuss amateur radio, and to participate in good meetings. If you are not meeting and talking to other hams at club meetings, it probably is the club's fault and also yours. Let us know how we can help you make the meetings more enjoyable. Without your input we will probably keep moving along as we have done in the past with few changes. It is your club so let us know what you think would make the club meetings a more enjoyable place to be.

###---POTPOURRI---###

Does anyone have any expertise on PROP-PITCH MOTORS. The club was recently given one and needs advice on how to best get it into operation.

73 de Stan, W 9 F Q N

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CLUB MEETINGS are held on the first Wednesday of the month at 7:30 p.m. in the CAFETERIA at Lincoln Middle School between East Vista Way and Eucalyptus on Escondido Ave. in Vista. Parking is available in the main lot accessible from East Vista Way; and in the City Hall parking lot across Escondido from the School. Talk in on 146.730. Visitors are welcome. MEETINGS ARE NOT A FUNCTION OF THE VISTA UNIFIED SCHOOL DISTRICT AND ARE NOT SANCTIONED BY THE BOARD OF TRUSTEES OF THE SCHOOL DISTRICT. So there!

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JUNE CLUB MEETING

The program for the June meeting will be presented by ?? and will tell us all we ever wanted to know about ?? and then some. There WILL be coffee.

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MEMBERSHIP IN THE PALOMAR AMATEUR RADIO CLUB is $12 per year with no initiation fee, and includes a subscription to SCOPE. Family memberships are $12 for the first family member, and $9.00 for each subsequent member at the same address. Membership matters, changes of address, subscription matters: P.O. Box 1603, Vista, CA 92083-0530. Ads and other material for Scope to PO Box 73, Vista 92083 by Wed. two weeks before the club meeting.

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MAY CLUB MEETING

At the May club meeting the minutes of the previous meeting were read and approved as was the Trea$urer's report. Committee reports were heard. Mac, NH6EW, was welcomed as the new Hospitality Committee Chairman. His coffee was great and several fine folks brought tasty, no-cal goodies. Members present indicated a preference for Dixon Lake over Brengle Terrace Park for the annual picnic. W9FQN indicated that the Vista park was already signed up for, but that an attempt would be made to reserve Dixon Lake in its stead. Ed Null, WB6WQI, gave us a very interesting talk on his sojourn in Quito, Ecuador and on the very high power transmitters (up to 500 KW) and very high gain antennae (24-element Quads) of the Chirstian Broadcast Network located there. There were ?? members and ?? guests in attendance. Many newcomers were welcomed and the Trea$urer was kept quite busy with reenlistments and new memberships. Quite a turnout with 66 members and 12 guests present.

EXECUTIVE COMMITTEE MEETING

The Executive Committee, consisting of the officers of the Club and the Chairmen of its committees, meets at 7:30 p.m. on the second Thursday after the club meeting at the home of various of its members. The June meeting will be at the home of W9FQN.

At the May meeting at the home of KB6NMK, the Committee heard and approved the minutes of the previous meeting. The Trea$urer's report was not heard due to the absence of the Trea$urer. The Committee voted to spend up to $850 for two new dB Products antennae for the repeater in view of the problems with the packet digipeater antenna and due to the age of the present antenna in use on the 146.730 machine (We bought it used in 1973, and it's been in service ever since - a fine antenna and we're buying another just like it!). N6CKH told of the plans to conduct tests with the 147.735 repeater to attempt to eliminate desensitization problems with Mt. Laguna repeater. N6CKH also brought up the degeneration of the audio on the 146.730 repeater and produced results of tests conducted by WA6QQQ to substantiate his reports on the audio problems. WB6IQS will take necessary steps to correct the overdeviation and associated problems.

The cookies were deeelicious!

JUN 88

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THREE REPEATERS, two W6NWG/R, are owned and operated by the Club. One has an input of 146.130 mHz and an output of 146.730 mHz. Input for another is 444.425 mHz and output is 449.425 mHz. The third, W6NWG, is a packet radio digipeater on 145.050 mHz. All are on the Club's property on Mount Palomar at about 5,600'; and are open repeaters for club members and occasional and transient users.

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FCC REWRITE OF PART 97
(From the ARRL Letter)

A quick read-through of the proposed rewrite of Part 97 doesn't reveal anything obviously bad. However, to comment on it constructively, it is necessary to compare the new and the existing versions side by side. If you want to be well informed on a matter of great interest to ham radio, you may obtain your own copy from ARRL HQ for a large S.A.S.E. with 85 cents postage on it and marked "Docket 88-139".

ANNUAL PARC PICNIC AUGUST 14, DIXON LAKE IN ESCONDIDO. PICTURES AT ELEVEN.

ARRL LETTER

Telephone RFI problems to AT&T phones are guaranteed to be reduced by AT&T modular in-line filter (Z-100 A). It may be ordered by phone with a major credit card from AT&T at 1-800-222-3111.

REPEATERS

On Sunday, May 1, a group of PARC members went to the mountain for repeater maintenance and installation of new equipment.

The main task was to upgrade reserve power capacity by adding a 450 Ah battery, which had been purchased for $120. It was installed on the 146.730 W6NWG/R. As you have noticed, the "hang time" on this machine was returned to its original four seconds. Please note: This does NOT increase the length of time necessary for "time out" timer reset, which is accomplished on loss of the accessing station's carrier.

The microwave group (Kerry, N6IZW & Ed, W6OYJ) installed a 10 gHz beacon on the main tower at the 60' level. Recent measurements show the beacon gives good coverage over the San Diego area.

Field strength measurements showed high loss in feedlines or in the antennas of KB6UAI/R and the W6NWG/R packet digi-peater. Since substitutes were not at hand, these machines were returned to their original condition until changes can be made. The Executive Committee will discuss fixes.

Extra mouse proofing was installed in the bunker; and Stan, W9FQN, made measurements to calculate the building materials needed raise the roof and make it fire resistant. Jo, KB6NMK, and her husband did yeoman service in the chore of cleaning up the site. They also brought along the tasties.

VOLUNTEER EXAMINER PROGRAM

At the May tests our PARC examiner team administered 11 test elements to nine applicants. Six passed a total of six elements.

Our test crew was: KI6ZM reception; WB6R CW exams; W6SAX, N6NNI, and W6YYV examiners; and N6INN and AA6DI handling the paperwork. 73 de K6HAV

FCC LICENSE EXAMINATIONS in north county are conducted by PARC examiners, under the auspices of SANDARC-VEC at the Joslyn Senior Center, (behind the City Hall) 111 Richmar Ave., San Marcos on the second Saturday of the month starting at 10:00 a.m.

Examinations are also given on the 1st, 3rd, and 4th Saturdays in south county and the 4th Saturday at Coast Savings & Loan, 1540 E. Valley Parkway, Escondido. South county test locations available from SANDARC-VEC.

Applicants must send a S.A.S.E., a completed, signed FCC Form 610 (NO PHOTO-COPIES) and copies of license(s) and Certificate(s) of Successful Completion, if any, to SANDARC-VEC, Post Office Box 2456, La Mesa, CA 92044 10 days before the test date. Bring ORIGINAL licenses and Certificates.

NEW MEMBERS, REENLISTMENTS, UP-GRADES, NEW CALL SIGNS

GNU CLUB MEMBERS: Georgia Griffiths, KB6VUO of Olivenhain; Dick Dipert, N6NYM, Santa Ysabel; Arthur & Anita Nye (calls pending), Vista; David & Christine Loar, WA7OWU & N7EQQ, San Diego; Dirk Reschly, Escondido; John Knight, Jr., WB7TRH, San Diego; Johnny Hart, N6DVJ, Santee. Welcome. We're happy to have you with us.

RENUDE MEMBERS: Ray Harland, N6AMD; Gary Grant, N7AS; Tom Anderson, WD6AXN; Vanessa Harvey, WB6BHE; Ray Dobler, W6BHF; Jim Harper, KH6CN; M.E. Salzarulo, WA6DOC; Betty Bruin, KB6DSC; Claude Kirkpatrick, W6DWE; Jack Swader, WA6DYV; Ray Miller, N6EQB; Warren Lincoln, W6EYP; Al Goeppinger, W6FXL; Richard Carey, W6GHD (2 yrs.); Marty Witting, W9GNI; Chuck Calvert, KA6GRG; Hal Esterly, K6GQS; Mac McBride, WB6GXR; Ralph & Pat Crossman, K6HAV & N6INN; Charles Hodgson, W6HC; Alma Bourhenne, KE6HI; Joe Craig, W6HLB; Dave Copley, WA6HQM; Dan Pugh, WA6HYB; Tom Brown, N6ICH; Art Rideout, WA6IPD; John Kuivinen, WB6IQS (2 yrs.); Chuck Inskeep, W6IRM; Paul Lackey, N6ISC (2 yrs); Peter Berg; KG6JI; Guido Bianchi, W6JJA; Jack Hanthorn, KI6JM; Jeff "Shorty" Stouffer, K6JSI; Floyd Harvey, W6JSP; Harry Rouse, WB6JVS; Bob Heitger, WA6KZN; Lane Hart, N6LTV (2 yrs.); Bill Leach, KB7LX (2 yrs.); Billy Smith, KB6MCI; Joe Pevney, WA6MOS; Paul Williamson, KB5MU; Chuck Littlefield, KI6MV; Ted Pakaski, N6NAU; Al Doig, W6NBH; Ralph Neiger, N6NEH; Steve McKinney, N6NHW (3 yrs.); Jo & A J Ashley, KB6NMK & KB6NML; Wilma & Tom Healey, N6NNP & N6NNQ; Fred Klein, KB6NRL; Walter Coates, KB6NUY; Howard Gates, W4NYU; Rod Grant, N6OIQ; Dick Powell, W6OML; Doug McCartney, KI6PE (2 yrs.); Paul Heismann, KA6PPD; Neil Claassen, N6PYL; Ken Seals, KA5Q; Dick Williams, WB6QBO (3 YRS.); Matt McCormick, KA6QFF; John Egdahl, N6QMI; John Moriarity, K6QQ; Ken Olson, N6RBS (2 Yrs.); George Leppert, KB6RI (2 yrs.); John Neuman, WB6RTY; Herb Wandschneider, WA6SVN; Billy McCord, WB6TBQ; Harry Williams, W6TCI; Lee Miller, W6TDC; Ivan Simpson, S.D. Mtn Rescue Tm., W6TET; Ray Spangler, WA6THC; Ron Earl, W6TXK; Walt Pennington, WO6U (2yrs.); John Kent, NW6W; Bob Felton, K7WLX (3 YRS.); Bill Priest, W6WPO (3 yrs.); George Uminski, K6YGK; Bob Bell, N6YX; Red Courtney (3 yrs.); Leonard Jacobson. 82 renewals.

GNU CALL SIGNS: Neil Claassen, N6PYL; Art Mason, N6RYZ from KB6WGB.

LINDA MASON, KB6WGA, SK

We are saddened to report the passing, on the 8th of May of Linda Mason, KB6WGA, whose new call sign, N6RYY, was received after her passing. Linda and her OM, Art, N6RYZ, just recently joined the Club. Linda was quite active on the repeater and will be missed by those who knew her. We're sorry she was with us such a short while.

HISTORY OF NAVAL COMMUNICATION STATIONS

Retired naval communicator Todd, KI6ZM, has prepared written histories of many of the Naval Communication Stations. Anyone with an interest in reading these should contact Todd on the repeater. The copies are available for loan.

JUN 88

THE CLUB'S POLICY REGARDING INTERFERENCE ON THE REPEATERS IS to IGNORE IT! Don't give the jammer what he or she craves - notice and attention. Carry on your QSO or sign off or move to simplex, but do NOT acknowledge the crazies. At the same time, try to hear the interfering signal on the input of the repeater and, if possible, determine the direction of the source.

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FORESAIL

(That's the bow spirit)

Pwr supply console w/VOX for Atlas 210X, $15; 6146, $5. Call John, WB6RTY, 471-0034.

Kenwood MC-50 desk mike, $25. Call Russ, KG6GW, 583-3297.

Cushcraft A-3 antenna, NEW, still in box. Call Jack, N6OPD, 434-2217.

Probemaster test probe kits, $10; Probemaster X10 attenuator kits, $15; various vacuum tubes, all tested. Call Sandy, K6HE, 745-6940.

Astron RS-35M pwr supply, mint, $110. Call Tom, N6NNQ, 456-1910.

Ten Tec Argonaut 509 w/matching 405 amp. Both factory tuned and calibrated, $300. Leave message for David, N6QCQ, at 582-6464.

Microwave power meter HP430C w/matching HP477B power head 10mHz-10gHz, 10 mW max., $35 obo. Audio distortion analyzer/AC voltmeter Heathkit IM-5248, nearly new w/manual, $50. Call John, WB6IQS, 758-3519.

Kenwood TS-820X, $450; Turner 252 desk mike, $30; 5-band flagpole antenna, $25; Beckman Tech 310 DVM, $50; HP5383A 520 mHz freq. counter, $200; B/W video camera, $40. Apple IIe 80 col. 512K, hi res color mon, duodisk, Apple mouse, Apple cat modem, CPM Z80 card, parallel port, 70+ disks of software. Pkg, $950. Call Bryan, WB6TJN, 940-8803.

MFJ EQ 300 adjustable mike equalizer. New, never raced, please make offer. Yaesu FRT-7700 antenna tuner for Yaesu FRG-7700, please make offer. Call Joe, WA6VNR, 278-2752 any time or leave msg.

Collins: 312B-4 W/E Station Control; W/E S-Line w/516F-2 pwr supply, all mint. Astatic "Silver Eagle" mike. Call Allen, N7AMR, 434-5656.

Tristao MA-40 40' tubular crankup tower, Cushcraft 4-elm tri-band beam with 40M dipole element, rotor, coax and control cable. You take down. Call George, W5OI, 723-1046.

Swan 350 w/ps, Swan 45 mobile antenna. Call Chuck Harrold, 757-4679.

FREE

Free PL encode/decode chips to good homes. Requires +5v, about 12 discrete parts, and some time. Chip includes low pass audio filter, digital tone generator, and digital PLL CTCSS tone decoder. Early birds get needed 1 mHz xtals. Must be used for personal ham radio project or price is $10 per chip. Call John, WB6IQS, 758-3519.

WANTED

Swan 117XC pwr supply w/useable Xfmr. Call Clint, W6OFT, 729-0850.

52 ohm coaxial low-pass filter. Call Bill, W7EAI, 433-3860

Icom IC-22A in working condx. Commodore 1520 4-color plotter. Call Dennis, N6KI, 271-6079.

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JOIN THE ARRL

The American Radio Relay League is the national Amateur Radio entity to which you should belong if you want to support your hobby. If you're not an ARRL member you should be! Who else do you have to lobby for your hobby?

When joining/re-joining the ARRL, do it via the Club which will receive a modest stipend otherwise going to the ARRL. Make your check payable to the Club and get it, with your membership application, to Treasurer Ron, WI6B

JUN 88

HAMCON 88

THE MAGIC OF AMATEUR RADIO
PUBLIC SERVICE • INTERNATIONAL GOODWILL

ARRL SOUTHWESTERN DIVISION CONVENTION

September 2, 3, & 4, 1988

at the Disneyland Hotel in Anaheim, California

Cut and Mail to: Dick Bruno, N6ISY, Registration Chairman,
HAMCON INC, P.O. Box 3695, Huntington Beach, California 92605

Name: _____ Call: _____

Name: _____ Call: _____

Address: _____

City: _____ State: _____ Zip: _____

☐ Check here if you plan to stay at the Disneyland Hotel.

How Many?

_____	Advance Registration (To Aug. 15th.) ($12.00 at the Door)	@ $10.00 ea.	_____
_____	Banquet	@ $25.00 ea.	_____
_____	Ladies Luncheon	@ $10.00 ea.	_____
_____	Sunday Breakfast	@ $10.00 ea.	_____

Total Enclosed: $ _____

Make Checks Payable to: HAMCON INC.

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Exhibit Hours:

Sat., 9 AM - 5 PM
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Prizes:

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Advance Registration
Door Prize
Hourly Prizes

Registration includes the opportunity to bring the amateur radio community together with the most up-to-date technology in amateur equipment and talk to the experts. There will be special technical sessions, prizes, ladies luncheon, Saturday night Banquet, Woulf Hong, Sunday T-hunt, and many activities for the whole family.

VE testing information available upon request.

Convention registration also includes validated parking and special hotel rates. RV parking is nearby. Transportation is available from the surrounding area airports.

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JUN 88

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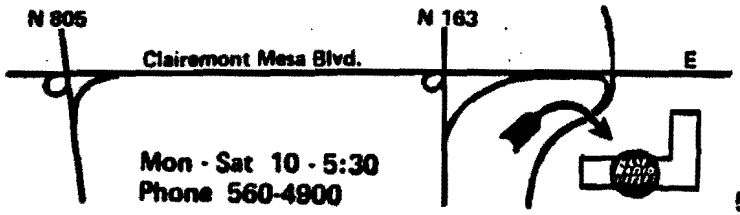

Mon - Sat 10 - 5:30
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****

THE 220 CLUB OF SAN DIEGO WELCOMES PARC MEMBERS ON WD6HFR/R, ITS 224.900 MHZ REPEATER, which is co-located with W6NWG/R at the PARC site on Mt. Palomar. This repeater, like the PARC machines has battery back up. Feel free to use it.

ALSO CO-LOCATED WITH W6NWG/R is KA6UAI/R on 147.735 (-) which too is available to PARC members during its trial period in the PARC building. Its use as a W6NWG/R overflow machine is encouraged.

****

THE NORTH COUNTY TRAFFIC NET is operated by the Club, and meets nightly on 146.730 mHz (-600 kHz) at 2000 local to handle formal written traffic. Visitors are welcome. Net Manager is N4KRA. Liaison stations needed.

THE SAN DIEGO COUNTY PACKET RADIO VOICE NET meets on 146.730 mHz each Tuesday at 2100. This net is to provide information on Packet Radio for the beginner and the advanced packeteer. All are welcome. Paul, KB5MU, is net control station.

THE SAN DIEGO COUNTY MICROWAVE NET meets on 146.730mHz each Monday at 2100. This net is to disseminate microwave information and is open to the old timer and the beginning microwaver. All are welcome. Kerry, N6IZW, is net control station.

****

THE FCC IN GETTYSBURG SAYS:

Licenses issued as of 5/1/88: AA6IG, KJ6GH, N6SAL, KB6YAQ.

DOWN THE TOOBE

The resonant frequency for human beings in free air is 87 mHz. When in contact with the ground, it shifts to 41 mHz, according to an article entitled How Radio Frequency Waves Interact with Living Systems by James W. and Joyce E. Frazer in March-April, 1988 21st Century Science & Technology.

Bill Driml, W6NAT, likes the Scope so much that he just got three years off for bad behavior. Bill, a past club president, now lives in Ft. Dick, CA, and spends much of his time DXing and county hunting. He says he's got 236 countries confirmed - all on phone; has worked all 3,075 counties and has started over again and only needs 37 more to have done on 20M mobile!!

Thanks to Ron, WI6B, Allen, N7AMR, has a new (very illegal) antenna for 40M-10M. He's end-feeding his condo rain gutter and getting good reports. Wonder if we can't get a new certificate - WAG - for Worked All Gutters.

It's nice to have a ham store in north county which is, not only open on Saturday, but also has coffee and doughnuts out for folks. If you haven't made it over to Westcom in San Marcos on a Saturday morning, try it. The coffee Mal, N6CDA, serves is good and the doughnuts are "no-cal" - oh yeah!

Speaking of N6CDA, it's plain to see that Mal was not contented working for Radio Shack. Now that he's happy at Westcom you might say he's Mal content. Bringing to mind that when hearing Carl, N6NZX, calling the roll on the North County Traffic Net the other evening it made us think of the old police radio program: Calling All Cars - only in this case it was Carling all Calls. And there is John, W6OLQ, who we have asked to tell us about how to order PARC badges - in rhyme - sorta going from badge to verse as it were. Or, its plain to see the relationship of Marsh Parker, W6SAX, to a leopard, when you realize that a leopard is a dotted lion; and, of course, a dotted line is a partial marker - - - - -

I'm trying to decide whether things like the foregoing paragraph stem from ignorance or apathy, but I don't know and I don't care.

"That's all", she wrote!

(Darn good thing too, looks like!)

JUN 88

PALOMAR AMATEUR RADIO CLUB ENLISTMENT/REENLISTMENT BLANK
(Cut on dotted lions, fill in, include $$ and mail to PARC, PO Box 1603 Vista, CA 92083-0530 or hand to Trea$urer Ron at Club meeting)

Dues are $12/year + $9/year for each add'l family member. Scope included.
Name and Call_____

$12 for ONE year ___ $24 for TWO years ___ $36 for THREE years ____

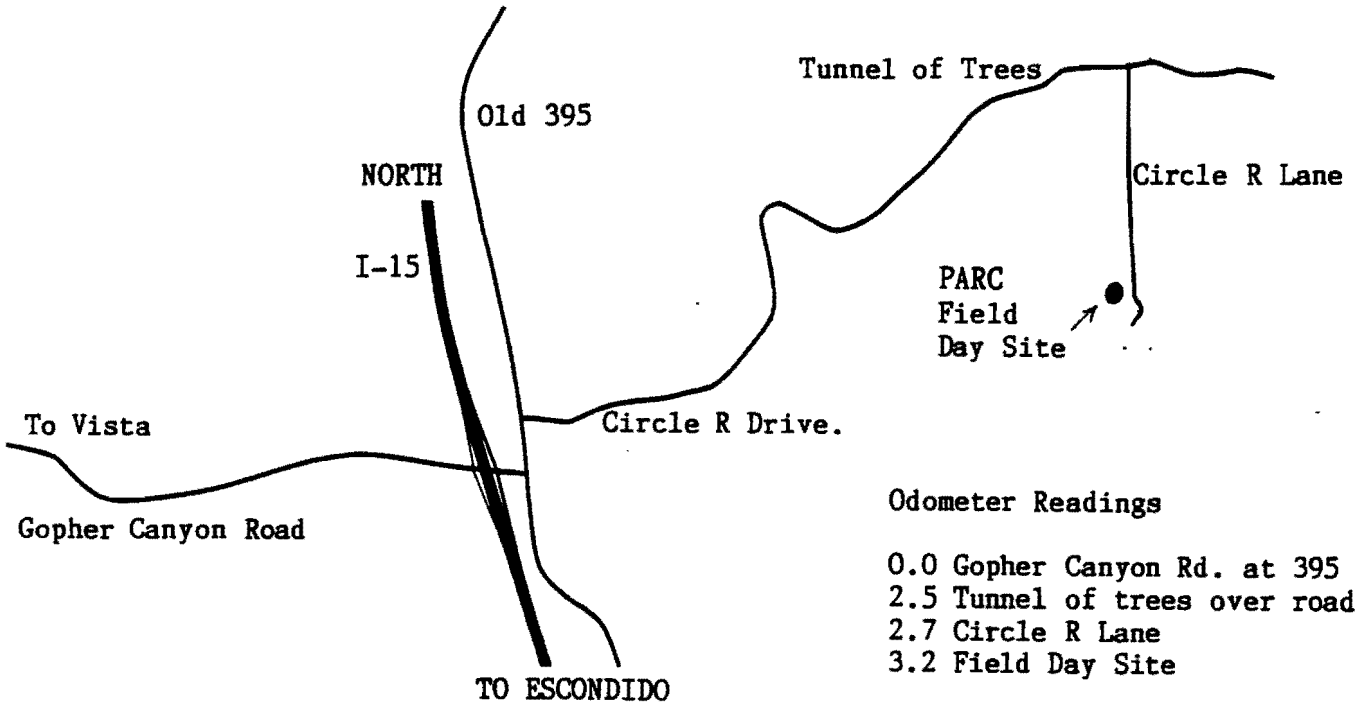
Ham License expiration month and year _____ Address, phone nr., (or changes)_____ _____

_____

ARRL member? YES__ NO__ Remarks, appropriate/inappropriate _____

Include name(s), call(s), and dues of family member(s).

This is a map to show how to get to the Field Day site. Field Day this year is Saturday June 25th and Sunday June 26th from 11am Saturday to 11am Sunday with set-up starting after noon on Friday 24th of June.



Odometer Readings

0.0 Gopher Canyon Rd. at 395
2.5 Tunnel of trees over road
2.7 Circle R Lane
3.2 Field Day Site

ELECTRONICS

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JUN 88

BARB, SUE, STAN ROHRER
W9FQN KA6FPS N6QDB
30311 CIRCLE R LANE
VALLEY CENTER, CA. 92082

VISTA TOWER/ANTENNA ORDINANCE

Hams with VISTA addresses who have towers/antennas, please complete the following form and get it to Bill Buckner, WW6E, 993 S. Santa Fe # C Vista, CA 92083. To be used to help get the good Tower Ordinance passed.

Name: _____ Amateur Call: _____ Phone Nr. _____

Address with ZIP Code: _____

My radio tower is (mfg's name & model)_____ and is _____ ft. high with a _____ ft. long mast for a total height of ___ ft. The tower base is set in reinforced concrete ____ inches square by ____ft. deep; and is guyed self-supporting (circle appropriate one). The tower is guyed at the ___, ___, and ___ ft. levels.

Signature: _____

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